

# PATENT ABSTRACTS OF JAPAN

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(54) FLAME-RETARDANT RESIN COMPOSITION, FLAME-RETARDANT ADHESIVE COMPOSITION AND METAL-JOINED ARTICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a flame-retardant resin composition and a flame-retardant adhesive composition which scarcely affect human bodies and environments and have excellent flame retardancy, adhesivity and moisture resistance.

SOLUTION: This flame-retardant resin composition comprises (1) a polymerizable vinyl monomer, (2) a polymerization initiator, (3) a reducing agent, and (4) a phosphate. The flame-retardant adhesive composition may further contain (5) an elastomer component.

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## LEGAL STATUS

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JAPANESE

[JP,2001-262107,A]

[Translation done.]

CLAIMS DETAILED DESCRIPTION TECHNICAL  
FIELD PRIOR ART EFFECT OF THE INVENTION  
TECHNICAL PROBLEM MEANS EXAMPLE

[Translation done.]

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**CLAIMS**

[Claim(s)]

[Claim 1] (1) The fire-resistant adhesives  
constituent which comes to contain a  
polymerization nature vinyl monomer, (2)  
polymerization initiators, (3) reducing agents, and (4)  
phosphate.

[Claim 2] Furthermore, the flame-retardant-resin  
constituent according to claim 1 which comes to  
contain (5) elastomer component.

[Claim 3] (1) The flame-retardant-resin constituent  
according to claim 1 or 2 whose polymerization  
nature vinyl monomer is a polymerization nature  
(meta) acrylic-acid derivative.

[Claim 4] a flame-retardant-resin constituent given  
[ of the claims 1-3 ] in one term -- the [ a first  
agent and ] -- the 2 pharmaceutical-form flame-  
retardant-resin constituent with which it divides  
into 2 agents, a first agent comes to contain a  
polymerization initiator at least, and the second  
agent comes to contain a reducing agent at least

[Claim 5] The fire-resistant adhesives constituent  
which consists of a flame-retardant-resin  
constituent given [ of the claims 1-4 ] in one term.

[Claim 6] The hardening field of a flame-retardant-

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CLAIMS DETAILED DESCRIPTION TECHNICAL FIELD PRIOR ART EFFECT OF THE  
INVENTION TECHNICAL PROBLEM MEANS EXAMPLE

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**CLAIMS**

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[Claim(s)]

[Claim 1] (1) The fire-resistant adhesives constituent which comes to contain a polymerization nature vinyl monomer, (2) polymerization initiators, (3) reducing agents, and (4) phosphate.

[Claim 2] Furthermore, the flame-retardant-resin constituent according to claim 1 which comes to contain (5) elastomer component.

[Claim 3] (1) The flame-retardant-resin constituent according to claim 1 or 2 whose polymerization nature vinyl monomer is a polymerization nature (meta) acrylic-acid derivative.

[Claim 4] a flame-retardant-resin constituent given [ of the claims 1-3 ] in one term -- the [ a first agent and ] -- the 2 pharmaceutical-form flame-retardant-resin constituent with which it divides into 2 agents, a first agent comes to contain a polymerization initiator at least, and the second agent comes to contain a reducing agent at least

[Claim 5] The fire-resistant adhesives constituent which consists of a flame-retardant-resin constituent given [ of the claims 1-4 ] in one term.

[Claim 6] The hardening field of a flame-retardant-resin constituent given [ of the claims 1-4 ] in one term.

[Claim 7] The metal zygote which it comes to join with a fire-resistant adhesives constituent according to claim 5.

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本願に先行する関連出願特許データ(3/5)

特許出願 2000- 81947[H12. 3.23] 請求( ) 出願種別 (通常 )

特開 2001-262107[H13. 9.26]

名称 難燃性樹脂組成物、難燃性接着剤組成物及び金属接合体

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特願2000-81947 (H12. 3. 23)  
特開2000-262107 (H13. 9. 26)

【書類名】 明細書

【発明の名称】 難燃性樹脂組成物、難燃性接着剤組成物及び金属接合体

【特許請求の範囲】

【請求項1】 (1) 重合性ビニルモノマー、(2) 重合開始剤、(3) 還元剤及び(4) リン酸塩を含有してなる難燃性接着剤組成物。

【請求項2】 さらに、(5) エラストマー成分を含有してなる請求項1記載の難燃性樹脂組成物。

【請求項3】 (1) 重合性ビニルモノマーが重合性(メタ)アクリル酸誘導体である請求項1又は2記載の難燃性樹脂組成物。

【請求項4】 請求項1～3のうちの1項記載の難燃性樹脂組成物を第一剤及び第二剤に分け、第一剤が少なくとも重合開始剤を含有してなり、第二剤が少なくとも還元剤を含有してなる二剤型難燃性樹脂組成物。

【請求項5】 請求項1～4のうちの1項記載の難燃性樹脂組成物からなる難燃性接着剤組成物。

【請求項6】 請求項1～4のうちの1項記載の難燃性樹脂組成物の硬化体。

【請求項7】 請求項5記載の難燃性接着剤組成物により接合してなる金属接合体。